

# Comparisons of Job Characteristics

**Focus Occupation:** [Electric Motor, Power Tool, and Related Repairers \(49-2092\)](#)

**Associated Occupation:** [Industrial Machinery Mechanics \(49-9041\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 92

**Focus Occupation:** Electric Motor, Power Tool, and Related Repairers (49-2092)

**Associated Occupation:** Industrial Machinery Mechanics (49-9041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	20.1	17.7	<	Expanded education and/or training may be required
Engineering and Technology	5.7	13.0	9.2	<<	Extensive education and/or training may be required
Design	5.2	11.5	6.3	<<	Extensive education and/or training may be required
Building and Construction	4.0	9.7	4.4	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation:** Electric Motor, Power Tool, and Related Repairers (49-2092)

**Associated Occupation:** Industrial Machinery Mechanics (49-9041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Repairing	3.4	15.6	14.0	<	A higher skill level may be required
Equipment Maintenance	3.5	14.6	11.5	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	14.2	9.8	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	13.6	12.6	0	Current skill level may be sufficient
Quality Control Analysis	5.9	12.3	11.9	0	Current skill level may be sufficient
Operation and Control	5.4	11.6	8.7	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	9.8	10.4	0	Current skill level may be sufficient

Installation	1.7	6.4	7.4	>	Skill level is likely sufficient
Technology Design	2.6	5.2	3.9	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 88			
Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092) Associated Occupation: Industrial Machinery Mechanics (49-9041)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Reaction Time	4.8	13.9	9.8	<<	Extensive improvement in abilities may be required
Control Precision	6.6	12.9	10.4	<	Some improvement in abilities may be required
Manual Dexterity	6.5	12.6	12.5	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	12.1	9.8	<	Some improvement in abilities may be required
Finger Dexterity	7.6	11.9	13.9	>	Current ability level is likely sufficient
Multilimb Coordination	6.0	11.5	8.2	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	11.2	9.8	<	Some improvement in abilities may be required
Visual Color Discrimination	6.4	10.6	11.0	0	Current ability level may be sufficient
Speed of Limb Movement	3.2	7.7	6.1	<	Some improvement in abilities may be required
Wrist-Finger Speed	3.2	7.3	6.2	<	Some improvement in abilities may be required
Sound Localization	2.2	6.5	4.8	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	6.2	5.5	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 80
Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092) Associated Occupation: Industrial Machinery Mechanics (49-9041)		
Work Activities	Exclusivity of Activity	
Apply cleaning solvents	41	
Determine installation, service, or repair needed	58	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Inspect machinery or equipment to determine adjustments or repairs needed	42	

Install or replace meters, regulators, or related measuring or control devices	66
Install/connect electrical equipment to power circuit	57
Lubricate machinery, equipment, or parts	59
Maintain or repair industrial or related equipment/machinery	39
Maintain or repair work tools or equipment	81
Move or fit heavy objects	8
Operate hoist, winch, or hydraulic boom	34
Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Read schematics	34
Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Solder electrical or electronic connections or components	55
Solder metal parts or components together	73
Test electrical/electronic wiring, equipment, systems or fixtures	54
Test mechanical products or equipment	56
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use high voltage apparatus	76
Use pneumatic tools	66
Use precision measuring devices in mechanical repair work	61
Use soldering equipment	44

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)**  
**Associated Occupation: Industrial Machinery Mechanics (49-9041)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.